

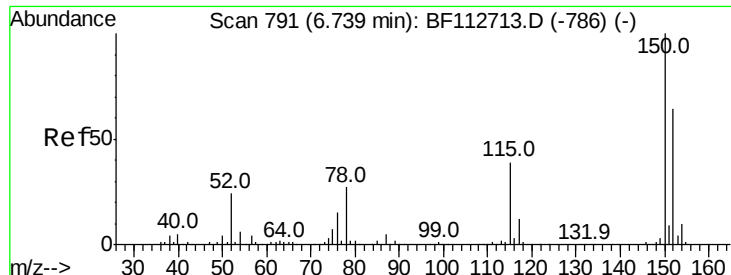
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113033.D
 Acq On : 13 Mar 2019 17:31
 Operator : JU/SJ
 Sample : K1864-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 02:01:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	136570	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	511372	20.00	ng	-0.01
39) Acenaphthene-d10	9.75	164	256495	20.00	ng	-0.02
64) Phenanthrene-d10	11.23	188	593676	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	556160	20.00	ng	-0.01
87) Perylene-d12	15.26	264	571463	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	546190	62.21	ng	-0.02
7) Phenol-d6	6.36	99	873384	79.19	ng	-0.01
23) Nitrobenzene-d5	7.28	82	538737	63.04	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	223809	82.19	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	1037990	62.54	ng	-0.01
79) Terphenyl-d14	12.81	244	1421117	49.53	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	30527	2.372	ng	88
19) n-Nitroso-di-n-propylamine	7.28	70	70211	10.052	ng	# 75
25) Isophorone	7.28	82	536245	29.126	ng	# 66
50) Dimethylphthalate	9.47	163	62934	3.328	ng	98
51) 2,6-Dinitrotoluene	9.75	165	32898	8.353	ng	# 18
57) 2,4-Dinitrotoluene	9.75	165	32898	6.720	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.53	198	342	4.739	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	13078	2.091	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

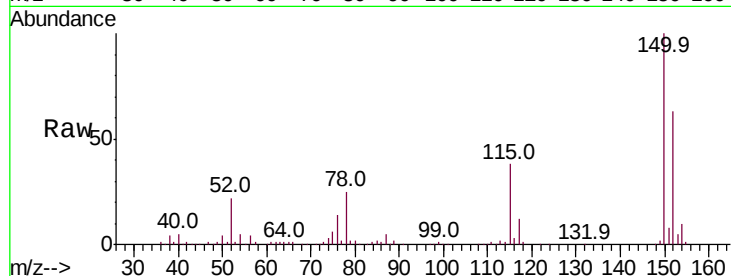


#1

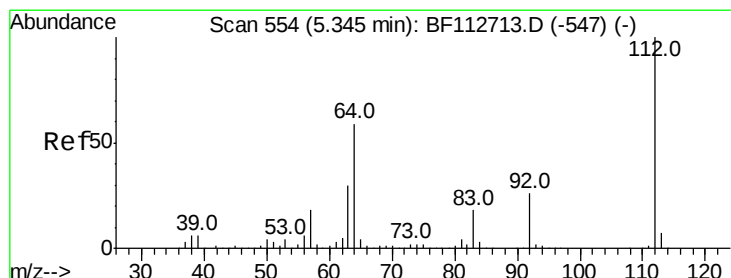
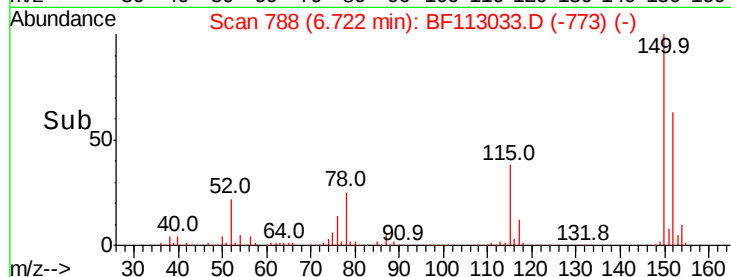
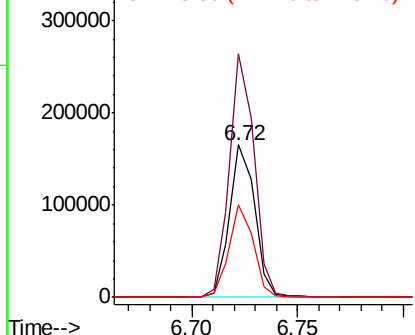
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 136570
Ion Ratio Lower Upper
152 100
150 159.6 124.2 186.2
115 60.4 48.2 72.4



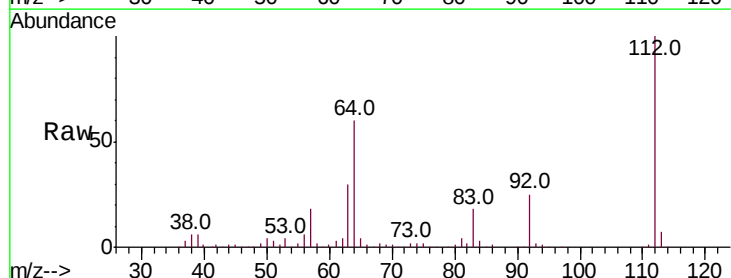
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



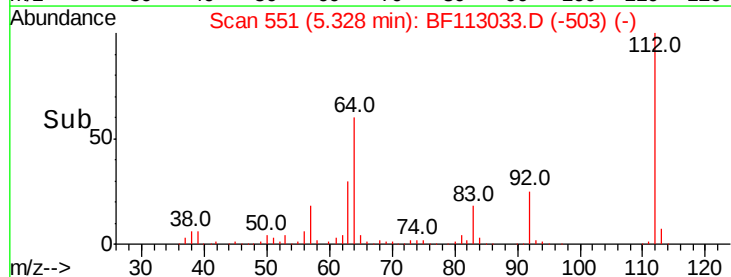
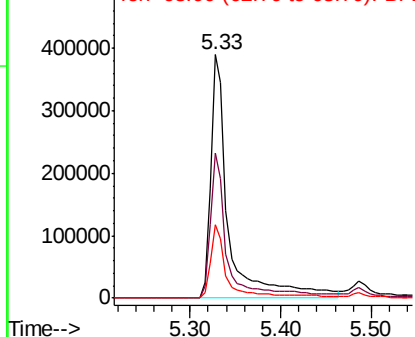
#5

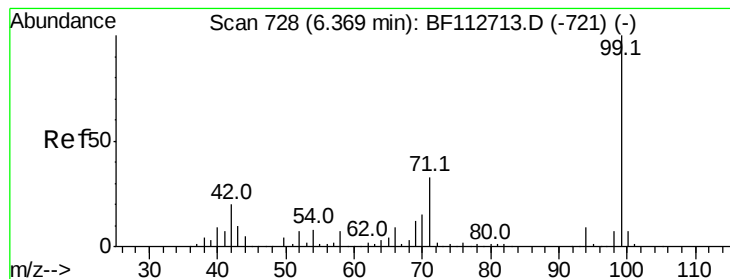
2-Fluorophenol
Concen: 62.212 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Tgt Ion:112 Resp: 546190
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 29.9 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.193 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

Instrument :

BNA_F

ClientSampled :

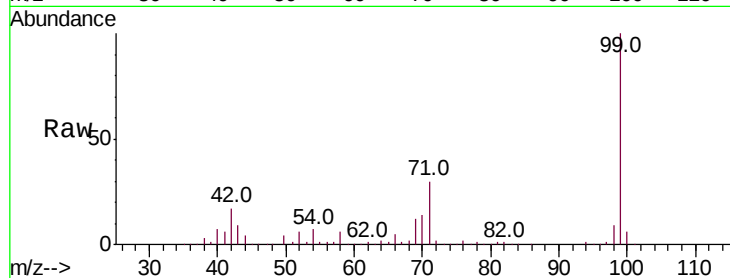
Tot Ion: 99 Resp: 873384

Ion Ratio Lower Upper

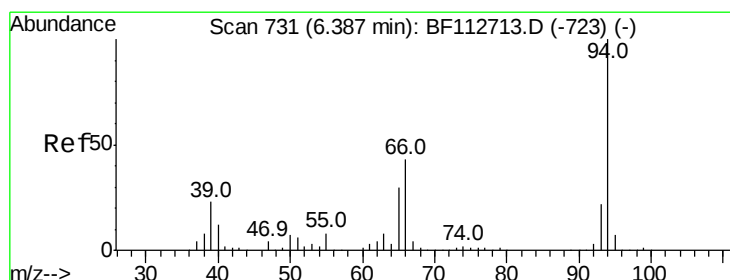
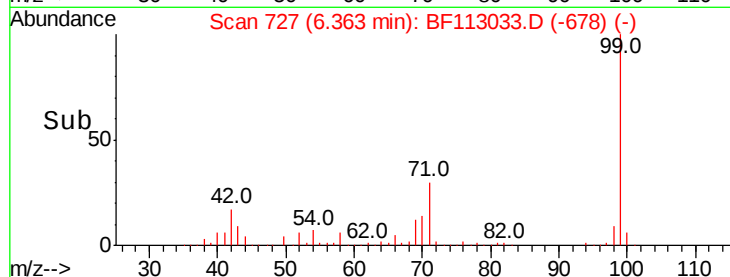
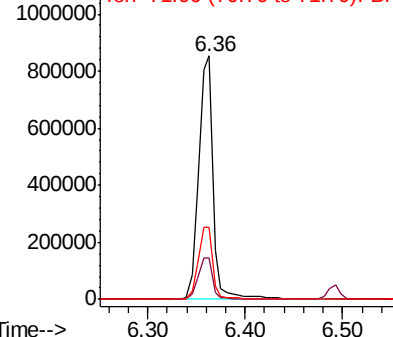
99 100

42 17.1 16.3 24.5

71 29.8 26.2 39.4



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.372 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

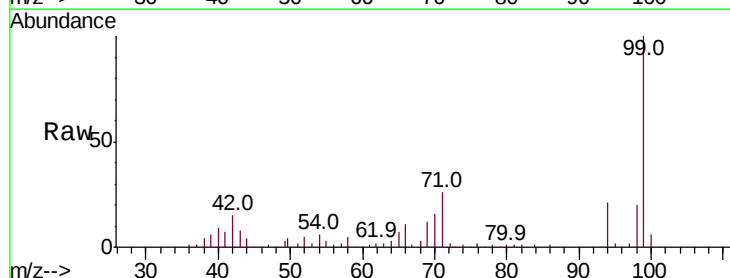
Tgt Ion: 94 Resp: 30527

Ion Ratio Lower Upper

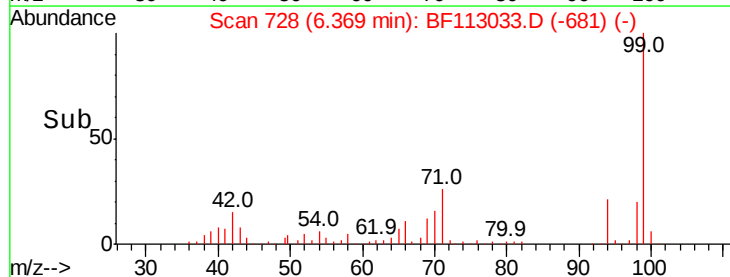
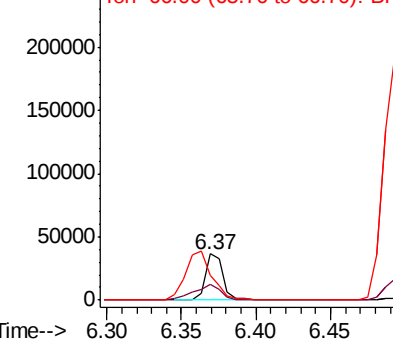
94 100

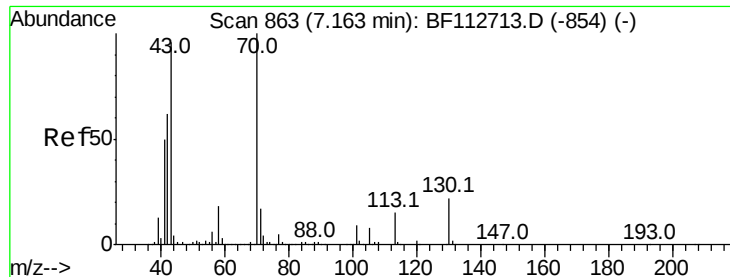
65 34.0 10.5 50.5

66 52.7 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.052 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 70211

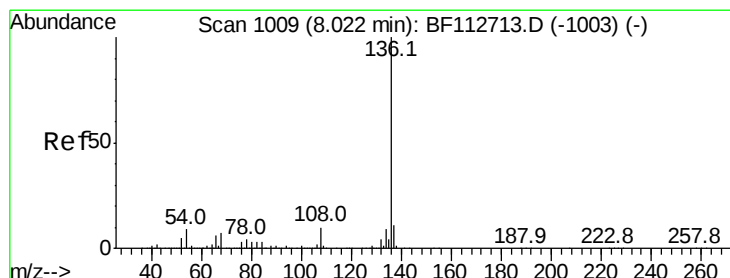
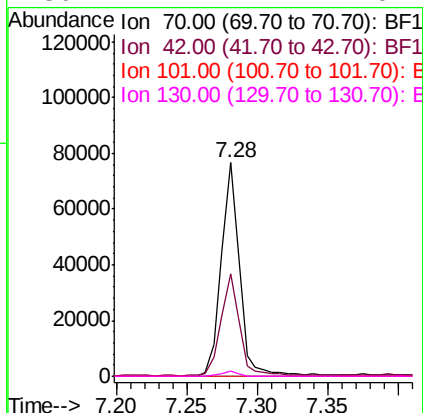
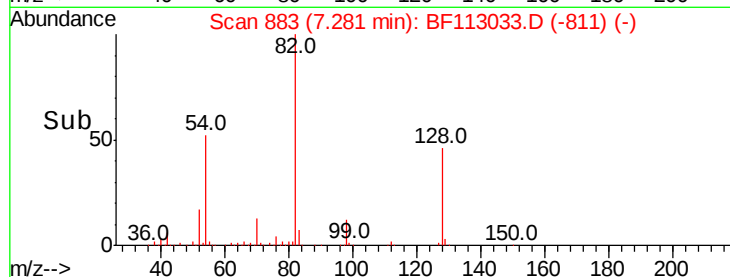
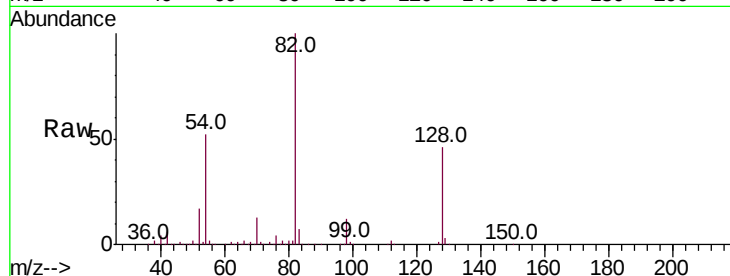
Ion Ratio Lower Upper

70 100

42 47.8 49.9 74.9#

101 0.0 7.4 11.2#

130 2.2 17.4 26.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

Tgt Ion: 136 Resp: 511372

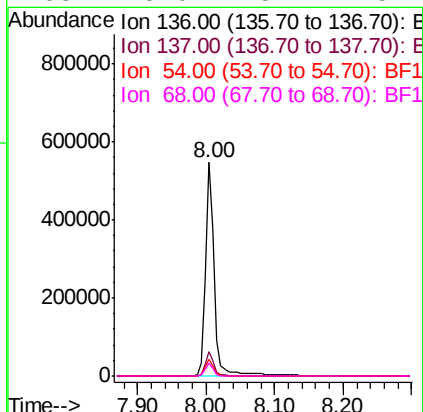
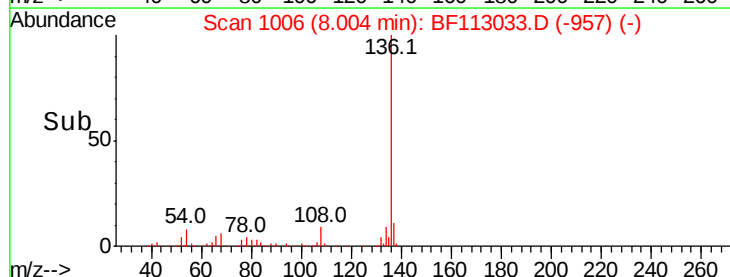
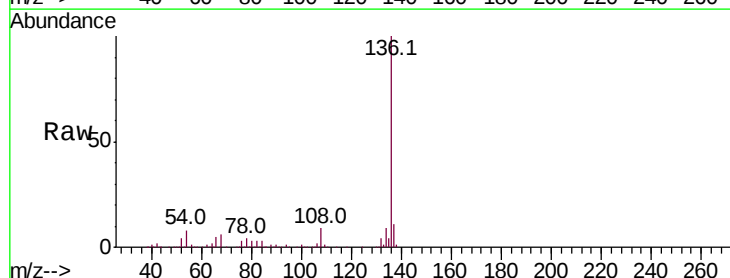
Ion Ratio Lower Upper

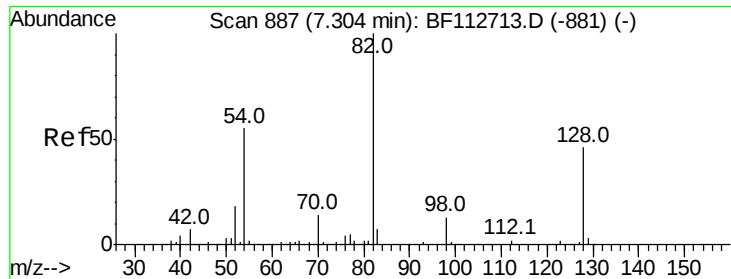
136 100

137 11.1 8.9 13.3

54 8.0 7.3 10.9

68 6.0 5.4 8.2

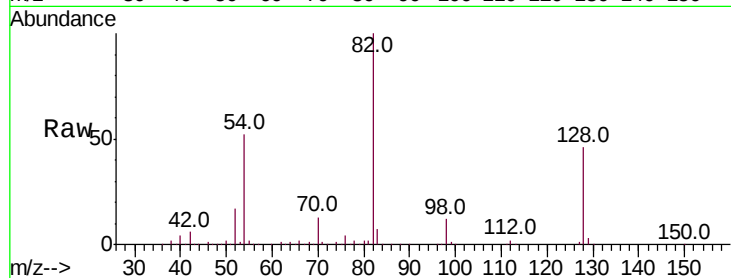




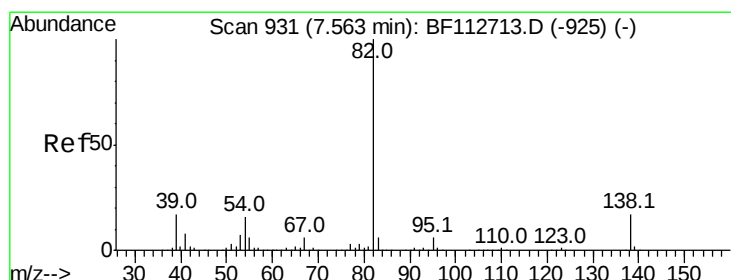
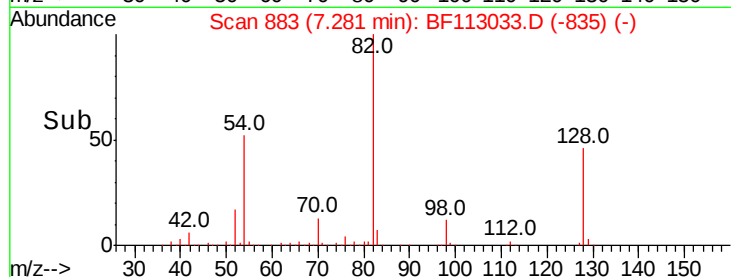
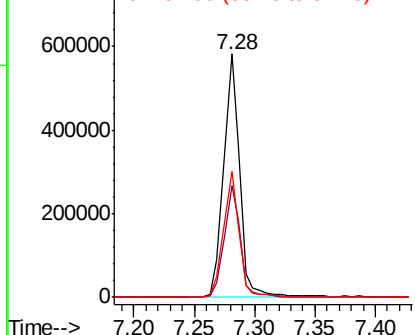
#23
Nitrobenzene-d5
Concen: 63.040 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	51.6	43.7	65.5

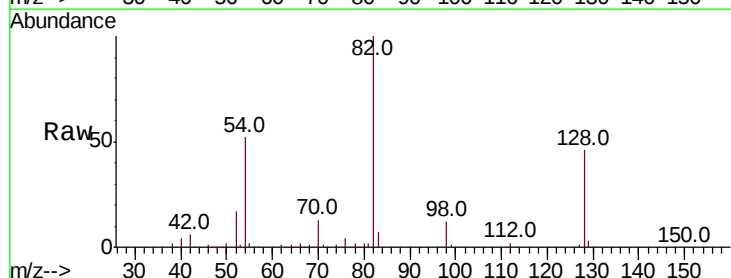


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

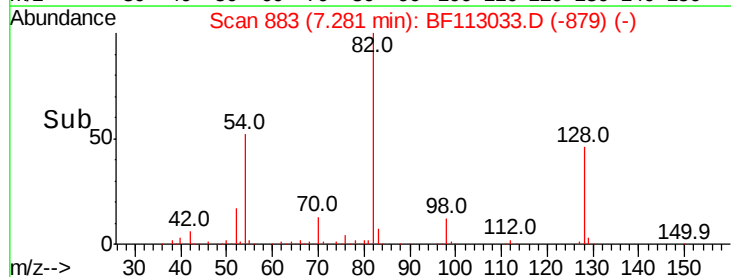
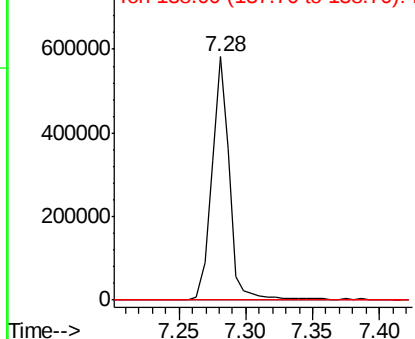


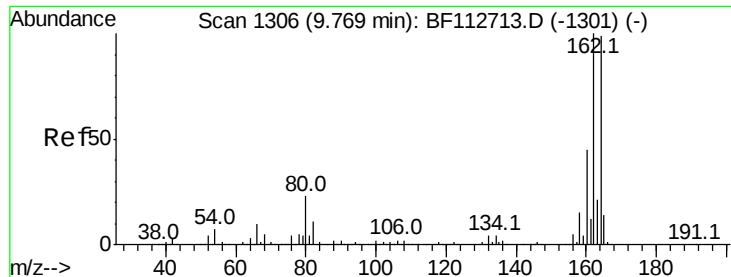
#25
Isophorone
Concen: 29.126 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

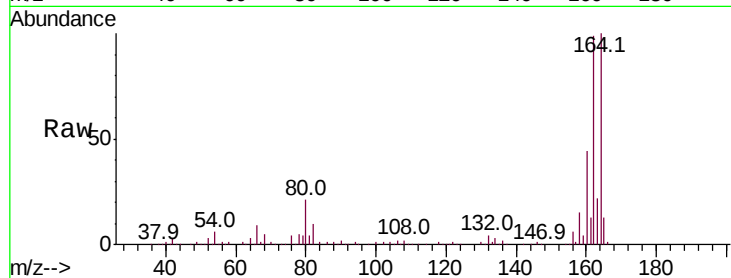




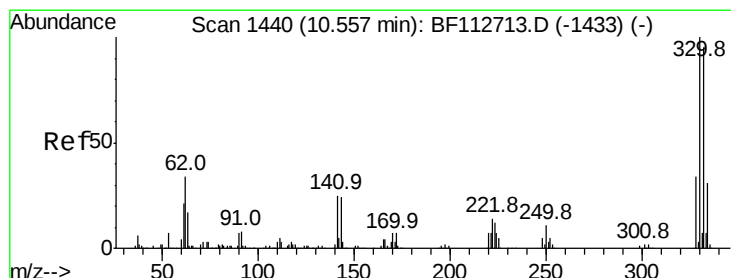
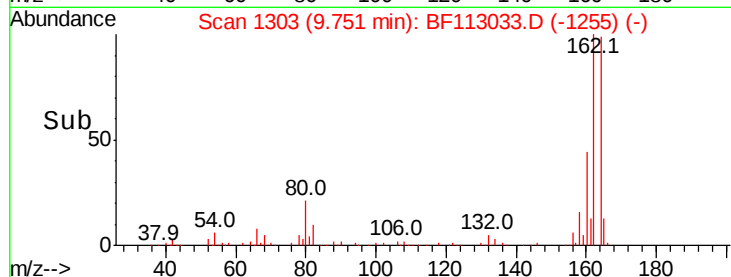
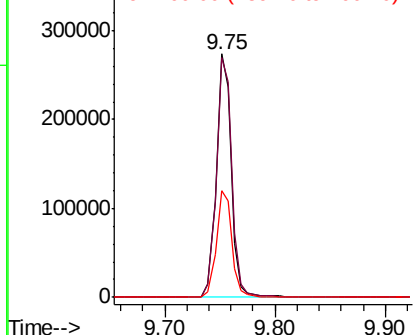
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.6	120.8
160	43.8	36.0	54.0

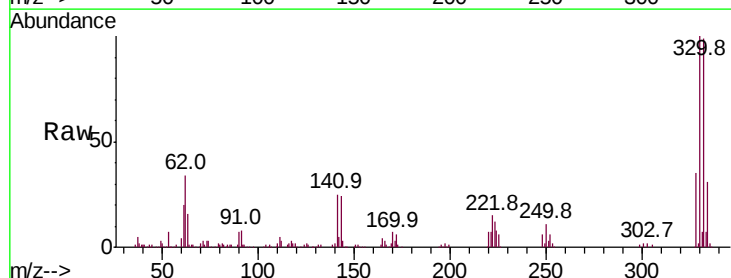


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

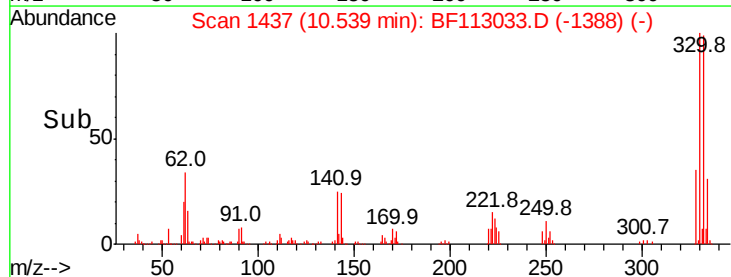
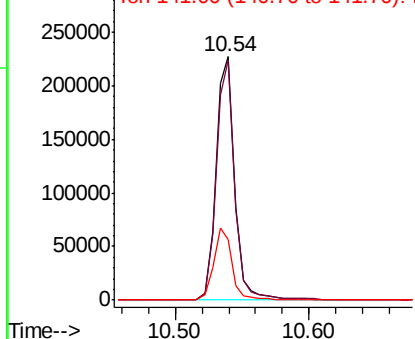


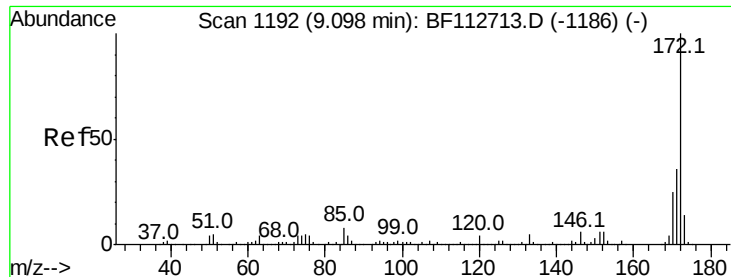
#42
2,4,6-Tribromophenol
Concen: 82.192 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.2	114.4
141	29.1	27.0	40.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



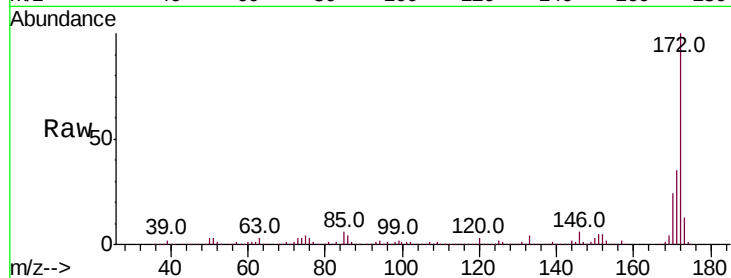


#45
 2-Fluorobiphenyl
 Concen: 62.535 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

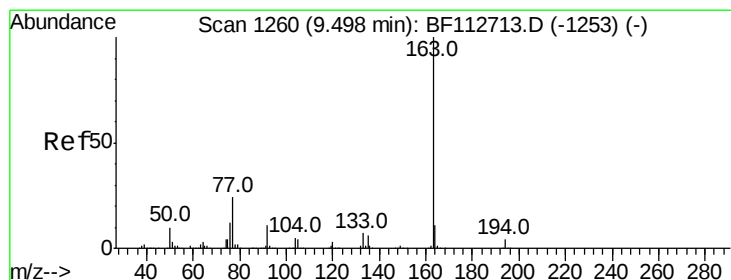
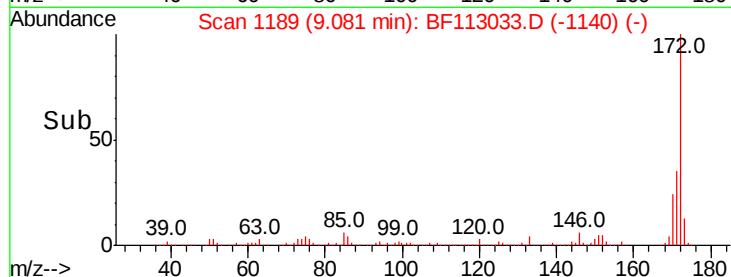
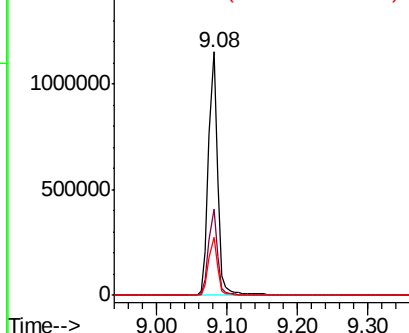
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1037990

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.9	20.0	30.0



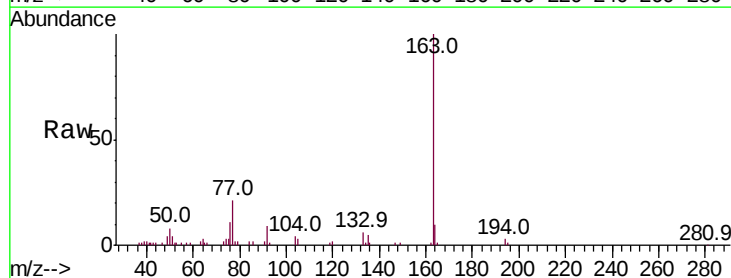
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



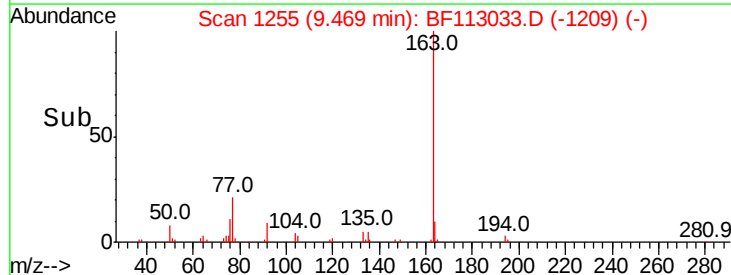
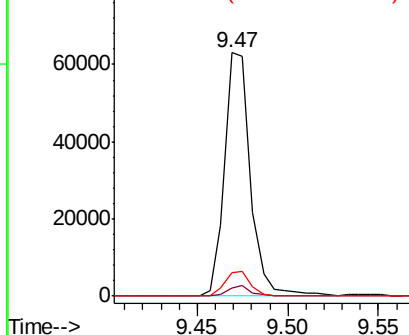
#50
 Dimethylphthalate
 Concen: 3.328 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. -0.03 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

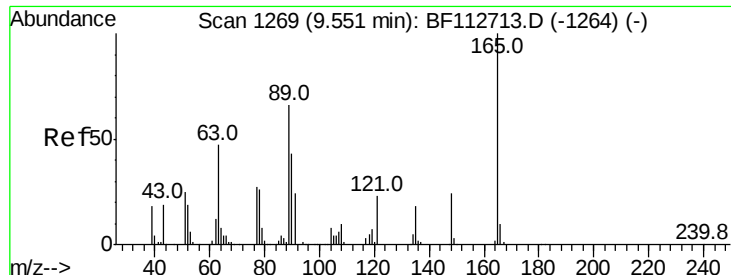
Tgt Ion:163 Resp: 62934

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	9.8	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

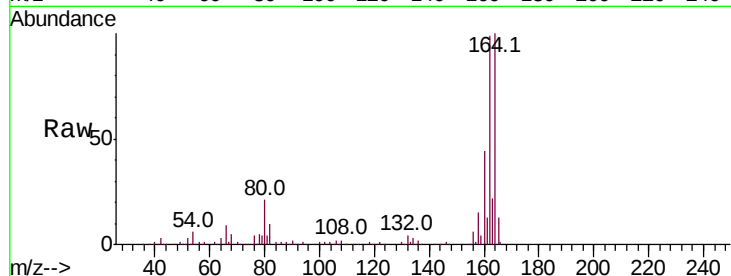




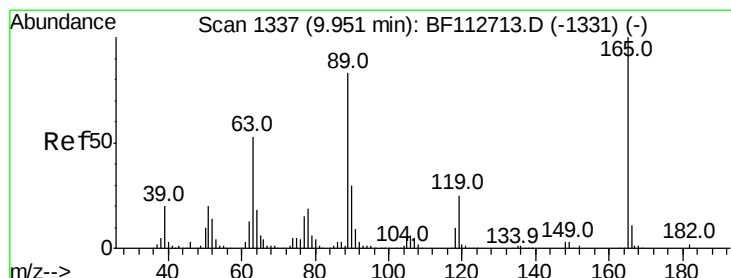
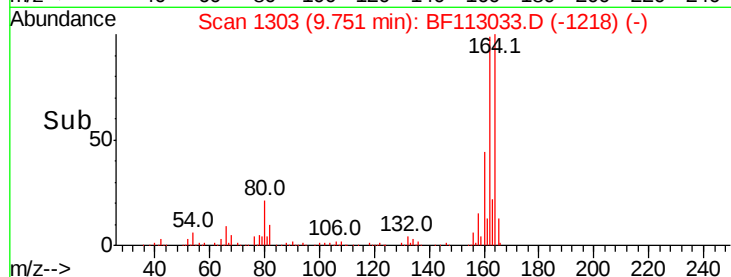
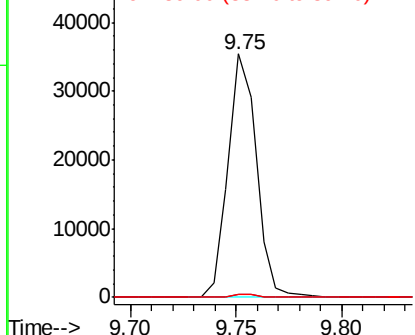
#51
 2,6-Dinitrotoluene
 Concen: 8.353 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.20 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	54.1	81.1#
89	1.4	52.8	79.2#



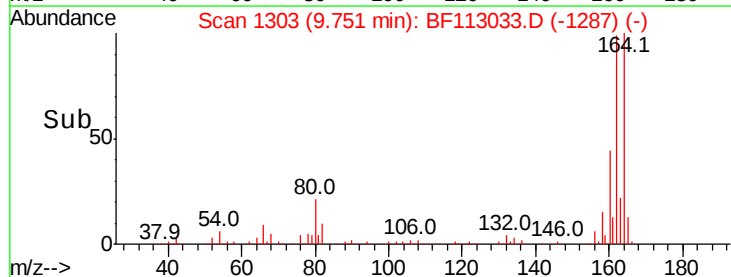
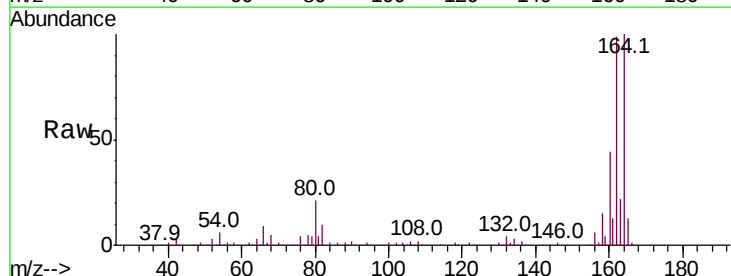
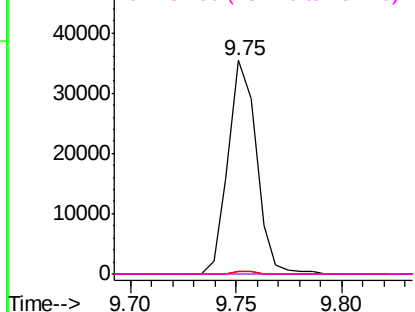
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

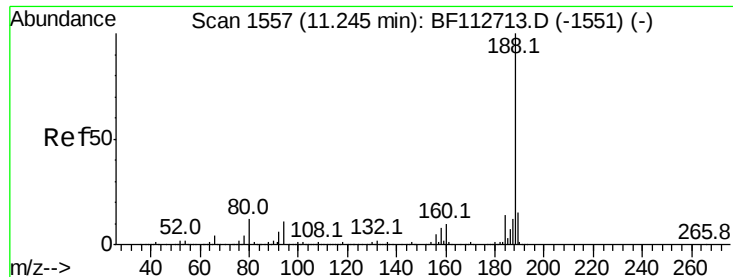


#57
 2,4-Dinitrotoluene
 Concen: 6.720 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.02 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

Instrument :

BNA_F

ClientSampleId :

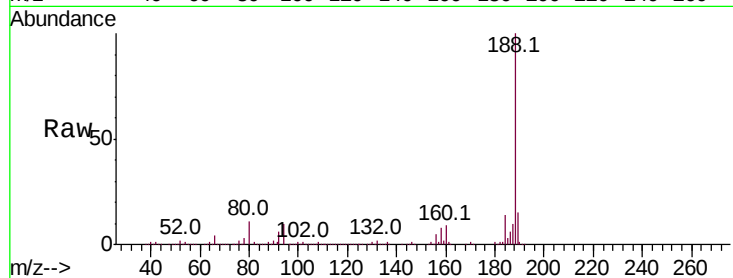
Tot Ion:188 Resp: 593676

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

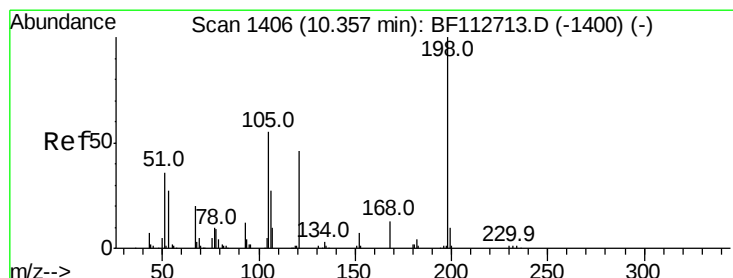
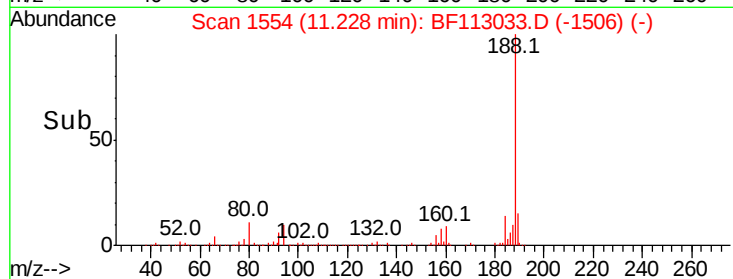
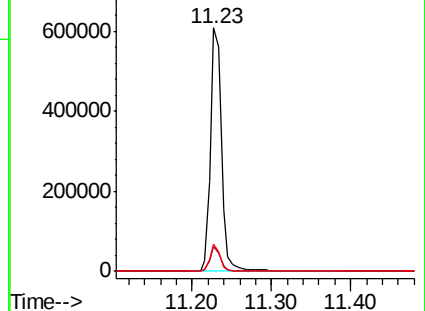
80 11.1 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.739 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.17 min

Lab File: BF113033.D

Acq: 13 Mar 2019 17:31

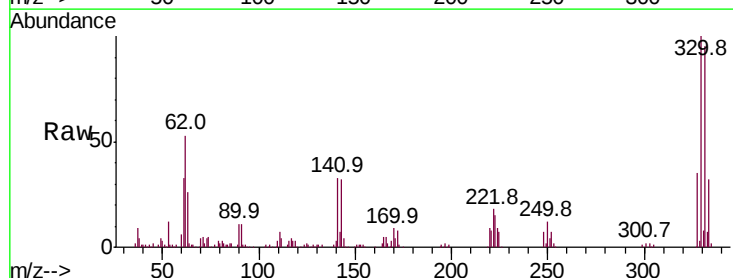
Tgt Ion:198 Resp: 342

Ion Ratio Lower Upper

198 100

51 197.0 43.8 83.8#

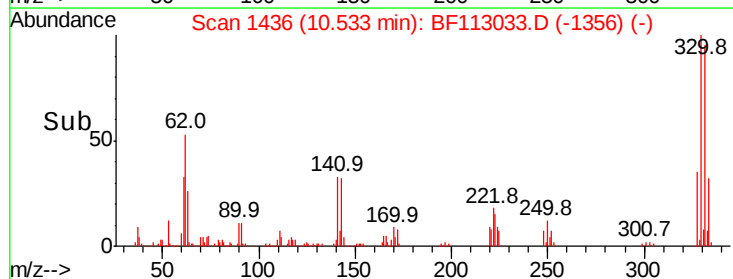
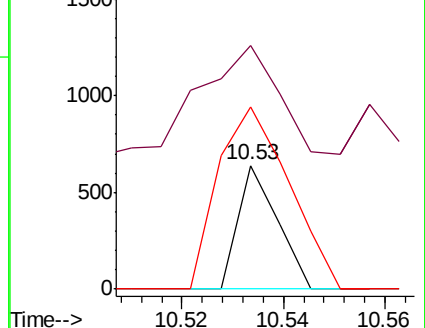
105 147.3 36.5 76.5#

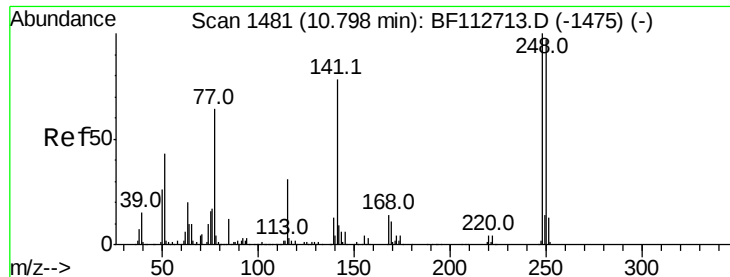


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

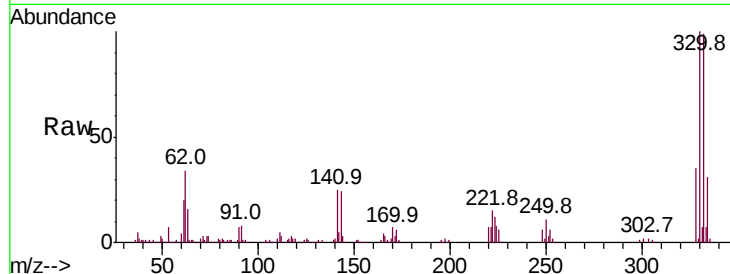




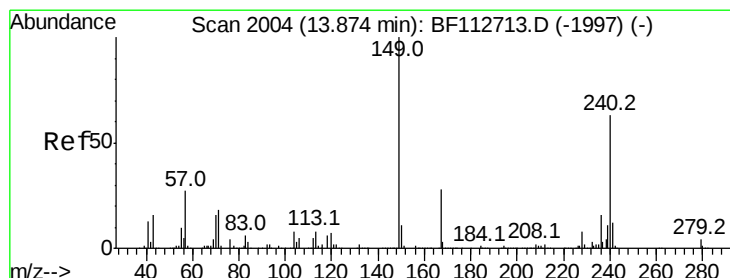
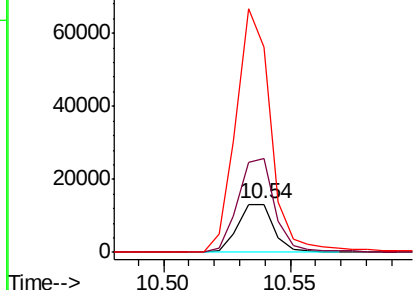
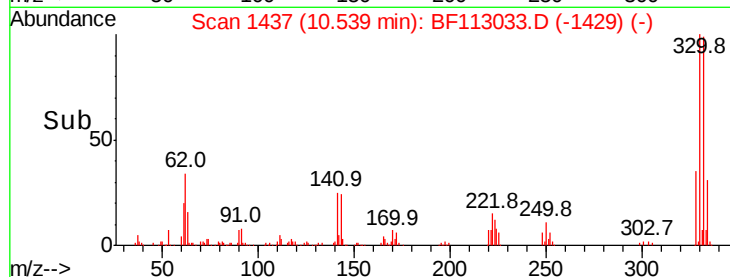
#67
4-Bromophenyl-phenylether
Concen: 2.091 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13078
Ion Ratio Lower Upper
248 100
250 194.9 77.5 116.3#
141 425.2 62.4 93.6#

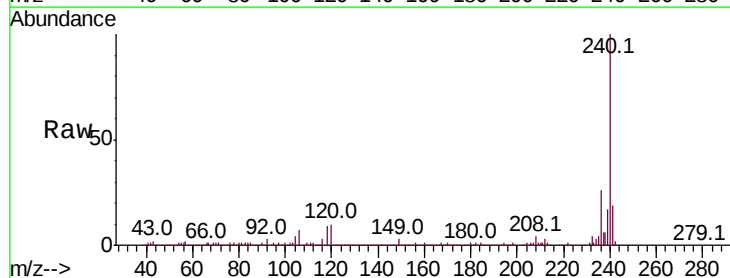


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

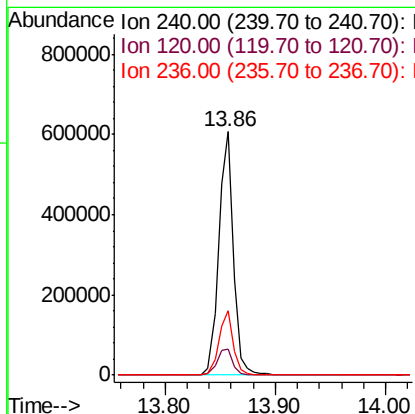
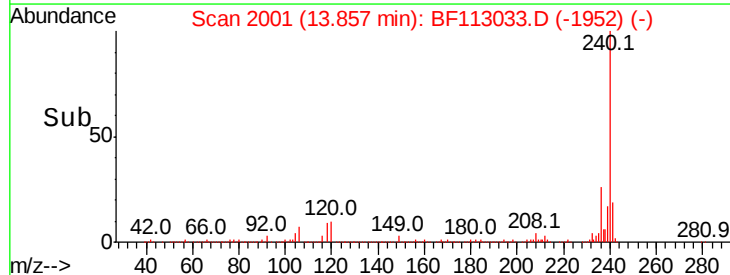


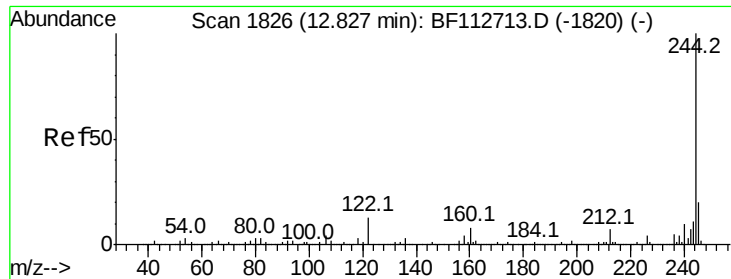
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF113033.D
Acq: 13 Mar 2019 17:31

Tgt Ion:240 Resp: 556160
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



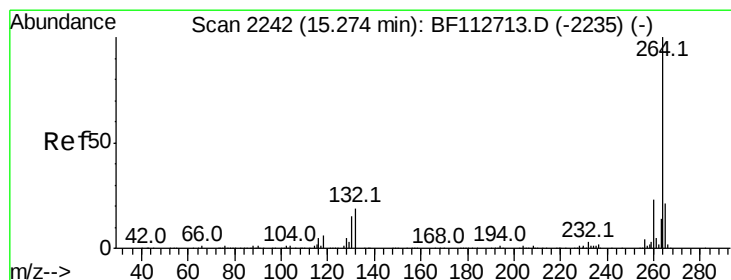
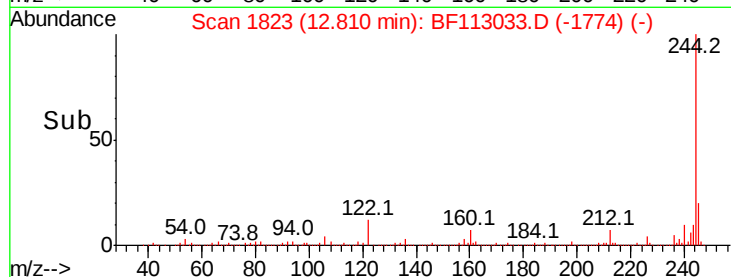
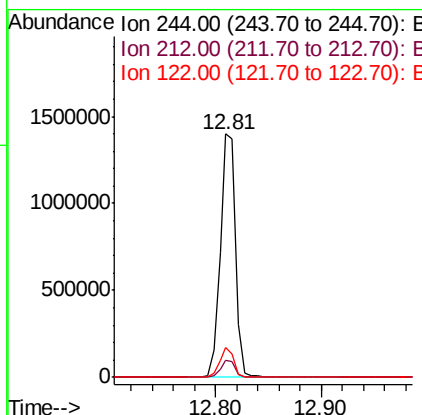
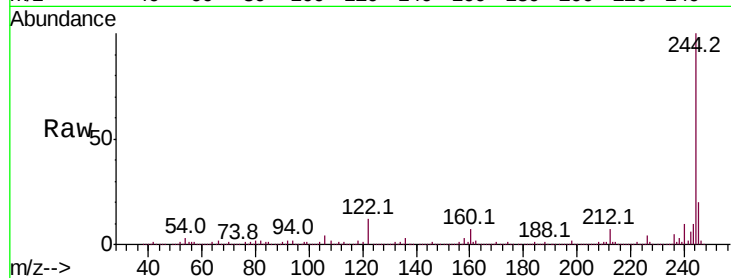


#79
 Terphenyl-d14
 Concen: 49.533 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1421117

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.1	10.5	15.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF113033.D
 Acq: 13 Mar 2019 17:31

Tgt Ion:264 Resp: 571463

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.4	17.2	25.8

